L Number | Hits | Search Text | DB | Time stamp

| | | benzocyclobutene or benzo adj cyclobutene or benzocyclo adj butene or benzo adj cyclo adj butene or BCB) same (transition adj temperature or "Tg" or "T.sub.g" or degrees) and (solder same (melt\$3 or heat\$3 or temperature or degrees or reflow\$3)) not ((solder\$3 near3 (ball\$3 or | US-PGPUB; EPO; JPO; IBM_TDB | | |
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| | | cyclo adj butene or BCB) same (transition adj temperature or "Tg" or "T.sub.g" or degrees) and (solder same (melt\$3 or heat\$3 or temperature or degrees or reflow\$3)) not ((solder\$3 near3 (ball\$3 or | | | |
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| | | <pre>degrees) and (solder same (melt\$3 or heat\$3 or temperature or degrees or reflow\$3)) not ((solder\$3 near3 (ball\$3 or</pre> | | | |
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| | | reflow\$3)) not ((solder\$3 near3 (ball\$3 or | | T. | |
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| | | bump\$3) same (heat\$3 or thermal\$3 or | Į. | | |
| | | temperature or degree)) and | | | |
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| | | "Si").ti,ab. and (resist or photoresist) | | | |
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| | | or degree)) and (benzocyclobutene or benzo | | | |
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| 1 | | or BCB) same (resist or photoresist))) and | | | |
| + | | (228/164,203,232,246,262.9).ccls.) or | | | |
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| | | reflow\$3)) not ((solder\$3 near3 (ball\$3 or | | | |
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| | | "Si").ti,ab. and (resist or photoresist) | | | |
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| 6 . | 23 | (solder\$3 near3 (ball\$3 or bump\$3) same | USPAT; | 2004/03/31 18:00 |
| | | (heat\$3 or thermal\$3 or temperature or | US-PGPUB; | |
| | | degree)) and ((benzocyclobutene or benzo | EPO; JPO; | |
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| | | or benzo adj cyclo adj butene or BCB) same | | |
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| 8 | 13 | , | USPAT; | 2004/03/31 18:00 |
| | | "Si").ti,ab. and (resist or photoresist) | US-PGPUB; | |
| | | same solder\$3 near3 (ball\$3 or bump\$3) | EPO; JPO; | |
| | | same (heat\$3 or thermal\$3 or temperature | IBM_TDB | |
| | | or degree)) and (benzocyclobutene or benzo. | _ | |
| | | adj cyclobutene or benzocyclo adj butene | | |
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| - | 1 | ("20030134233").PN. | USPAT; | 2003/10/03 09:19 |
| | | | US-PGPUB; | i i |
| | | | EPO; JPO; | i |
| | 1 | | IBM TDB | |
| | 289 | (semiconduct\$3 or wafer or silicon or | USPAT; | 2003/10/03 09:29 |
| | | "Si").ti,ab. and (resist or photoresist) | US-PGPUB; | |
| | | same solder\$3 near3 (ball\$3 or bump\$3) | EPO; JPO; | |
| | | same (heat\$3 or thermal\$3 or temperature | IBM TDB | |
| | | or degree) | _ | . ! |
| _ · | 12 | ((semiconduct\$3 or wafer or silicon or | USPAT; | 2004/03/31 18:00 |
| | | "Si").ti,ab. and (resist or photoresist) | US-PGPUB; | |
| | | same solder\$3 near3 (ball\$3 or bump\$3) | EPO; JPO; | |
| | | same (heat\$3 or thermal\$3 or temperature | IBM TDB | |
| | | or degree)) and (benzocyclobutene or benzo | - | |
| | | adj cyclobutene or benzocyclo adj butene | | |
| | | or BCB) same (resist or photoresist) | | |
| _ | 0 | (solder\$3 near3 (ball\$3 or bump\$3) same | USPAT; | 2004/03/31 17:59 |
| | | (heat\$3 or thermal\$3 or temperature or | US-PGPUB; | ,,, |
| | | degree) same (benzocyclobutene or benzo | EPO; JPO; | |
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| | i i | or benzo adj cyclo adj butene or BCB) same | | |
| 1 | | (resist or photoresist)) not | | |
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| | | or BCB) same (resist or photoresist)) | | Į |
| | | (10010t of photoresist) | | L |

| | 17 | (solder\$3 near3 (ball\$3 or bump\$3) same | USPAT; | 2004/03/31 17:59 |
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| | | degree)) and ((benzocyclobutene or benzo | EPO; JPO; | |
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| | | or benzo adj cyclo adj butene or BCB) same | TBM_TDB | |
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| | | same solder\$3 near3 (ball\$3 or bump\$3) | | |
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| | | adj cyclobutene or benzocyclo adj butene | | |
| | | or BCB) same (resist or photoresist)) | | * . |
| _ | 1455 | (resist or photoresist or polyimide or | USPAT; | 2003/10/06 19:36 |
| | , | benzocyclobutene or benzo adj cyclobutene | US-PGPUB; | 2000, 10, 00 13.00 |
| | | or benzocyclo adj butene or benzo adj | EPO; JPO; | κ. |
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| | 1 | | IBM_TDB | |
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| | | reflow\$3)) not ((solder\$3 near3 (ball\$3 or | | |
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| | | temperature or degree)) and | | |
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| | | adj cyclobutene or benzocyclo adj butene | | |
| | | or BCB) same (resist or photoresist)) | | |
| - | 40 | ((resist or photoresist or polyimide or | USPAT; | 2003/10/07 13:39 |
| | - | benzocyclobutene or benzo adj cyclobutene | US-PGPUB; | |
| | | or benzocyclo adj butene or benzo adj | EPO; JPO; | |
| | | cyclo adj butene or BCB) same (transition | IBM TDB | |
| | | adj temperature or "Tg" or "T.sub.g" or | | |
| | | degrees) and (solder same (melt\$3 or | | |
| | | heat\$3 or temperature or degrees or | | |
| | | reflow\$3)) not ((solder\$3 near3 (ball\$3 or | | |
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| | | or BCB) same (resist or photoresist))) and | | |
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| _ | 24 | ((resist or photoresist or polyimide or | USPAT; | 2003/10/07 13:40 |
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| | | benzocyclobutene or benzo adj cyclobutene | US-PGPUB; | |
| | | or benzocyclo adj butene or benzo adj | EPO; JPO; | |
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| | | benzo adj cyclo adj butene or BCB) same | | |
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| | | or BCB) same (resist or photoresist))) and | | |
| | | (430/329-330).ccls. | | |
| - | 46 | 1 , , , | USPAT; | 2003/10/07 13:36 |
| | | benzocyclobutene or benzo adj cyclobutene | US-PGPUB; | |
| | | or benzocyclo adj butene or benzo adj | EPO; JPO; | |
| | | cyclo adj butene or BCB) same (transition | IBM_TDB | |
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| | 1 | reflow\$3)) not ((solder\$3 near3 (ball\$3 or | | |
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| | | or BCB) same (resist or photoresist))) and | | |
| ., | | (430/329-330).ccls.) | <u> </u> | |
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| 82 | ((resist or photoresist or polyimide or | USPAT; | 2003/10/07 13:35 |
|--------|---|-----------|------------------|
| 02 | benzocyclobutene or benzo adj cyclobutene | US-PGPUB; | 2003/10/0/ 13.33 |
| | or benzocyclo adj butene or benzo adj | EPO; JPO; | |
| | cyclo adj butene or BCB) same (transition | IBM TDB | |
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| | degrees) and (solder same (melt\$3 or | | |
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| | reflow\$3)) not ((solder\$3 near3 (ball\$3 or | | |
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| | or BCB) same (resist or photoresist))) and | | |
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| 126 | ((((resist or photoresist or polyimide or | USPAT; | 2003/10/07 13:35 |
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| | degrees) and (solder same (melt\$3 or | | |
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| | reflow\$3)) not ((solder\$3 near3 (ball\$3 or | | |
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| | temperature or degree)) and | | |
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| | benzo adj cyclo adj butene or BCB) same | | |
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| | "Si").ti,ab. and (resist or photoresist) | | |
| 1 | same solder\$3 near3 (ball\$3 or bump\$3) | | |
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| - 1 | or degree)) and (benzocyclobutene or benzo | | . 1 |
| | adj cyclobutene or benzocyclo adj butene | 1 | |
| | or BCB) same (resist or photoresist))) and | | |
| | (438/108, 115, 612-615, 660, 694).ccls.) | | |
| | | | |

| <u> </u> | 10 | ((resist or photoresist or polyimide or | USPAT; | 2003/10/07 13:34 |
|----------|-----|---|-----------|------------------|
| | | benzocyclobutene or benzo adj cyclobutene | US-PGPUB; | |
| | | or benzocyclo adj butene or benzo adj | EPO; JPO; | |
| | · | cyclo adj butene or BCB) same (transition | IBM_TDB | |
| | | adj temperature or "Tg" or "T.sub.g" or | | |
| | | degrees) and (solder same (melt\$3 or | | |
| | | heat\$3 or temperature or degrees or | | |
| | | reflow\$3)) not ((solder\$3 near3 (ball\$3 or | | |
| | | bump\$3) same (heat\$3 or thermal\$3 or | | |
| | | temperature or degree)) and | | |
| | | ((benzocyclobutene or benzo adj | | |
| | | cyclobutene or benzocyclo adj butene or | | |
| | | benzo adj cyclo adj butene or BCB) same | | |
| | | (resist or photoresist))) not | | |
| | | (((semiconduct\$3 or wafer or silicon or | | |
| | | "Si").ti,ab. and (resist or photoresist) | | |
| | | same solder\$3 near3 (ball\$3 or bump\$3) | | |
| | • • | same (heat\$3 or thermal\$3 or temperature | | |
| | | or degree)) and (benzocyclobutene or benzo | | |
| | | adj cyclobutene or benzocyclo adj butene | , . | |
| | | or BCB) same (resist or photoresist))) and | | 1 |
| i | | (228/164,203,232,246,262.9).ccls. | | |
| - | 10 | ((resist or photoresist or polyimide or | USPAT; | 2003/10/07 13:35 |
| | | benzocyclobutene or benzo adj cyclobutene | US-PGPUB; | 1 |
| | | or benzocyclo adj butene or benzo adj | EPO; JPO; | |
| | | cyclo adj butene or BCB) same (transition | IBM_TDB | |
| | | adj temperature or "Tg" or "T.sub.g" or | | |
| | | degrees) and (solder same (melt\$3 or | | |
| | | heat\$3 or temperature or degrees or | | |
| | | reflow\$3)) not ((solder\$3 near3 (ball\$3 or | | |
| | | bump\$3) same (heat\$3 or thermal\$3 or temperature or degree)) and | | |
| | | ((benzocyclobutene or benzo adj | - | |
| | | cyclobutene or benzocyclo adj butene or | | |
| | | benzo adj cyclo adj butene or BCB) same | | |
| | | (resist or photoresist))) not | | |
| | * | (((semiconduct\$3 or wafer or silicon or | | (|
| | | "Si").ti,ab. and (resist or photoresist) | | , |
| | | same solder\$3 near3 (ball\$3 or bump\$3) | | |
| | | same (heat\$3 or thermal\$3 or temperature | · | |
| | | or degree)) and (benzocyclobutene or benzo | | |
| | | adj cyclobutene or benzocyclo adj butene | | |
| | | or BCB) same (resist or photoresist))) and | | |
| i i | | (228/164,203,232,246,262.9).ccls. | | |
| - | 82 | ((resist or photoresist or polyimide or | USPAT; | 2003/10/07 13:36 |
| | | benzocyclobutene or benzo adj cyclobutene | US-PGPUB; | |
| | | or benzocyclo adj butene or benzo adj | EPO; JPO; | |
| | | cyclo adj butene or BCB) same (transition | IBM TDB | |
| | | adj temperature or "Tg" or "T.sub.g" or ' | | |
| | | degrees) and (solder same (melt\$3 or | | |
| | | heat\$3 or temperature or degrees or | | |
| | | reflow\$3)) not ((solder\$3 near3 (ball\$3 or | | |
| | | bump\$3) same (heat\$3 or thermal\$3 or | | |
| | | temperature or degree)) and | | |
| | | ((benzocyclobutene or benzo adj | | |
| | | cyclobutene or benzocyclo adj butene or | | |
| | | benzo adj cyclo adj butene or BCB) same | | |
| | | (resist or photoresist))) not | | · . |
| | | (((semiconduct\$3 or wafer or silicon or | | |
| | | "Si").ti,ab. and (resist or photoresist) | | |
| | | same solder\$3 near3 (ball\$3 or bump\$3) | | |
| | ļ | same (heat\$3 or thermal\$3 or temperature | | |
| | | or degree)) and (benzocyclobutene or benzo | | |
| | | adj cyclobutene or benzocyclo adj butene | | |
| | 1 | or BCB) same (resist or photoresist))) and | | |
| | | (438/108,115,612-615,660,694).ccls. | | |

| | 40 | ((resist or photoresist or polyimide or | USPAT; | 2003/10/07 13:40 |
|---|------|---|-----------|------------------|
| | | benzocyclobutene or benzo adj cyclobutene | US-PGPUB; | 2000,10,0, 10.40 |
| | | or benzocyclo adj butene or benzo adj | EPO; JPO; | |
| | | cyclo adj butene or BCB) same (transition | IBM TDB | |
| | | adj temperature or "Tg" or "T.sub.g" or | 1511_155 | · · |
| | | degrees) and (solder same (melt\$3 or | | |
| | | heat\$3 or temperature or degrees or | | |
| | | reflow\$3)) not ((solder\$3 near3 (ball\$3 or | | |
| | | bump\$3) same (heat\$3 or thermal\$3 or | | |
| | | temperature or degree)) and | | |
| | | ((benzocyclobutene or benzo adj | | |
| | | cyclobutene or benzocyclo adj butene or | | |
| | | benzo adj cyclo adj butene or BCB) same | | |
| | | (resist or photoresist))) not | | |
| | - | (((semiconduct\$3 or wafer or silicon or | | |
| | | "Si").ti,ab. and (resist or photoresist) | | |
| | | same solder\$3 near3 (ball\$3 or bump\$3) | | |
| | | same (heat\$3 or thermal\$3 or temperature | | |
| | | or degree)) and (benzocyclobutene or benzo | | |
| | | adj cyclobutene or benzocyclo adj butene | | |
| | | or BCB) same (resist or photoresist))) and | | |
| | | (430/311,313-314,316-319).ccls. | | |
| - | - 24 | ((resist or photoresist or polyimide or | USPAT; | 2004/03/31 17:58 |
| | | benzocyclobutene or benzo adj cyclobutene | US-PGPUB; | 2004/03/31 17.50 |
| | | or benzocyclo adj butene or benzo adj | EPO; JPO; | |
| | | cyclo adj butene or BCB) same (transition | IBM TDB | |
| | | adj temperature or "Tg" or "T.sub.g" or | 1511_100 | |
| | | degrees) and (solder same (melt\$3 or | | |
| | | heat\$3 or temperature or degrees or | | |
| | | reflow\$3)) not ((solder\$3 near3 (ball\$3 or | | |
| | | bump\$3) same (heat\$3 or thermal\$3 or | | |
| | | temperature or degree)) and | | |
| | , | ((benzocyclobutene or benzo adj | • | |
| | | cyclobutene or benzocyclo adj butene or | - | |
| | | benzo adj cyclo adj butene or BCB) same | | · |
| | | (resist or photoresist))) not | | |
| | | (((semiconduct\$3 or wafer or silicon or | | |
| | - | "Si").ti,ab. and (resist or photoresist) | | |
| | | same solder\$3 near3 (ball\$3 or bump\$3) | | |
| | | same (heat\$3 or thermal\$3 or temperature | | |
| | | or degree)) and (benzocyclobutene or benzo | | |
| | | adj cyclobutene or benzocyclo adj butene | | |
| | | or BCB) same (resist or photoresist))) and | | |
| | 1 | (430/329-330).ccls. | I | 1 |

| - | 136 | (((resist or photoresist or polyimide or benzocyclobutene or benzo adj cyclobutene or benzocyclo adj butene or benzo adj | USPAT; US-PGPUB; EPO; JPO; | 2004/03/31 17: |
|----------|---------|--|---------------------------------------|----------------|
| | | cyclo adj butene or BCB) same (transition adj temperature or "Tg" or "T.sub.g" or | IBM_TDB | • |
| | | degrees) and (solder same (melt\$3 or heat\$3 or temperature or degrees or | | · |
| | | reflow\$3)) not ((solder\$3 near3 (ball\$3 or bump\$3) same (heat\$3 or thermal\$3 or | | |
| | | temperature or degree)) and ((benzocyclobutene or benzo adj | | |
| • | | cyclobutene or benzocyclo adj butene or benzo adj cyclo adj butene or BCB) same | | , |
| | | (resist or photoresist))) not | | |
| | | <pre>(((semiconduct\$3 or wafer or silicon or "Si").ti,ab. and (resist or photoresist)</pre> | | |
| | | same solder\$3 near3 (ball\$3 or bump\$3) same (heat\$3 or thermal\$3 or temperature | | |
| | | or degree)) and (benzocyclobutene or benzo | | |
| | | <pre>adj cyclobutene or benzocyclo adj butene or BCB) same (resist or photoresist))) and</pre> | | |
| | | (228/164,203,232,246,262.9).ccls.) or | | |
| | | (((resist or photoresist or polyimide or benzocyclobutene or benzo adj cyclobutene | | |
| | | or benzocyclo adj butene or benzo adj cyclo adj butene or BCB) same (transition | | |
| | | adj temperature or "Tg" or "T.sub.g" or | | |
| | | degrees) and (solder same (melt\$3 or heat\$3 or temperature or degrees or | | |
| | · | reflow\$3)) not ((solder\$3 near3 (ball\$3 or bump\$3) same (heat\$3 or thermal\$3 or | | |
| ٠. | | temperature or degree)) and | | |
| | | ((benzocyclobutene or benzo adj cyclobutene or benzocyclo adj butene or | - | • |
| | | benzo adj cyclo adj butene or BCB) same | | |
| | | <pre>(resist or photoresist))) not (((semiconduct\$3 or wafer or silicon or</pre> | | |
| | | "Si").ti,ab. and (resist or photoresist) same solder\$3 near3 (ball\$3 or bump\$3) | | |
| | | same (heat\$3 or thermal\$3 or temperature | | |
| | | or degree)) and (benzocyclobutene or benzo adj cyclobutene or benzocyclo adj butene | | |
| | | or BCB) same (resist or photoresist))) and | | |
| | | (438/108,115,612-615,660,694).ccls.) or (((resist or photoresist or polyimide or | | |
| | | benzocyclobutene or benzo adj cyclobutene or benzocyclo adj butene or benzo adj | | |
| | | cyclo adj butene or BCB) same (transition | | |
| | | adj temperature or "Tg" or "T.sub.g" or degrees) and (solder same (melt\$3 or | | |
| | | heat\$3 or temperature or degrees or | | |
| | | reflow\$3)) not ((solder\$3 near3 (ball\$3 or bump\$3) same (heat\$3 or thermal\$3 or | : | |
| | | temperature or degree)) and ((benzocyclobutene or benzo adj | | |
| | | cyclobutene or benzocyclo adj butene or | | |
| | | benzo adj cyclo adj butene or BCB) same (resist or photoresist))) not | | |
| | | <pre>(((semiconduct\$3 or wafer or silicon or "Si").ti,ab. and (resist or photoresist)</pre> | | |
| • | | <pre>same solder\$3 near3 (ball\$3 or bump\$3)</pre> | | |
| | | same (heat\$3 or thermal\$3 or temperature or degree)) and (benzocyclobutene or benzo | | |
| | | adj cyclobutene or benzocyclo adj butene | | |
| | | or BCB) same (resist or photoresist))) and (430/311,313-314,316-319).ccls.) or | | |
| | | (((resist or photoresist or polyimide or benzocyclobutene or benzo adj cyclobutene | | |
| | | or benzocyclo adj butene or benzo adj | | |
| | | cyclo adj butene or BCB) same (transition adj temperature or "Tg" or "T.sub.g" or | | |
| arch His | story 3 | degrees) and (solder same (melt\$3 or 3Ne/401/\$36 x011 :128/mp2444 atunRager 10egrees or | · · · · · · · · · · · · · · · · · · · | |
| | | ራይና/ዋጭቼዝያዕውር ተመተያ (solder\$3 near3 (ball\$3 or | | |
| | | <pre>bump\$3) same (heat\$3 or thermal\$3 or temperature or degree)) and</pre> | | |